



00684.003170

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Kenichiro MORI)
Application No.: 09/823,973)
Filed: April 3, 2001)
For: ILLUMINATION OPTICAL SYSTEM) August 14, 2002
FOR USE IN PROJECTION)
EXPOSURE APPARATUS)

Examiner: K. Sagar
Group Art Unit: 1756

Commissioner for Patents
Washington, D.C. 20231

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Sir:

Transmitted herewith is a Response to Restriction Requirement in the above-identified application.

☒ No additional fee is required.

The fee has been calculated as shown below:

CLAIMS AS AMENDED						
	CLAIMS REMAINING AFTER AMENDMENT		HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE
TOTAL CLAIMS	17	MINUS	20	= 0	x \$9 \$18	\$0.00
INDEP. CLAIMS	6	MINUS	6	= 0	x \$42 \$84	\$0.00
Fee for Multiple Dependent claims \$140/\$280						—
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$0.00

☐ °Verified Statement claiming small entity status is enclosed, if not filed previously.☐ A check in the amount of \$_____ is enclosed.

☐ Charge \$____ to Deposit Account No. 06-1205. A duplicate of this sheet is enclosed.

☒ Any prior general authorization to charge an issue fee under 37 CFR 1.18 to Deposit Account No. 06-1205 is hereby revoked. The Commissioner is hereby authorized to charge any additional fees under 37 CFR 1.16 and 1.17 which may be required during the entire pendency of this application, or to credit any overpayment, to Deposit Account No. 06-1205. A duplicate of this paper is enclosed.

☐ A check in the amount of \$____ to cover the fee for a ____ month extension is enclosed.

☐ A check in the amount of \$____ to cover the Information Disclosure Statement fee is enclosed.

☒ Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should be directed to our address given below.

Respectfully submitted,



Attorney for Applicant

Steven E. Warner

Registration No. 33,326

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RESPONSE TO RESTRICTION REQUIREMENT

Sir:

Applicant respectfully traverses the restriction requirement set forth in the Office
Action dated July 17, 2002.

In the Office Action, the Examiner sets forth a restriction requirement between two
groups of claims. Group I, claims 1-15, is drawn to a projection optical system, classified
in class 355, subclass 53. Group II, claims 16 and 17, is drawn to a device manufacturing
method, classified in class 430, subclass 311.

The Examiner contends that the inventions of Groups II and I are related as process
and apparatus for its practice, and have acquired a separate status in the art due to their

different classification such that the searches are not coextensive, requiring separate examination. These contentions are respectfully traversed.

Applicant notes that the inventions of Groups I and II are so closely related in the field of illumination optical systems for use in exposure apparatus that a proper search of any of the claims would, of necessity, require a search of the others. Thus, it is submitted that all of the claims can be searched simultaneously, and that a duplicative search, with possibly inconsistent results, may occur if the restriction requirement is maintained.

Applicant further submits that any nominal burden placed upon the Examiner to search an additional subclass or two, necessary to determine the art relevant to Applicant's overall invention, is significantly outweighed by the public interest in not having to obtain and study several separate patents in order to have available all of the issued patent claims covering Applicant's invention. The alternative is to proceed with the filing of multiple applications, each consisting of generally the same disclosure, and each being subjected to essentially the same search, perhaps by different Examiners on different occasions. This places an unnecessary burden on both the Patent and Trademark Office and on Applicant.

In the interest of economy, for the Office, for the public-at-large and for Applicant, reconsideration and withdrawal of the restriction requirement are requested.

Nevertheless, in order to comply with the requirements of 37 CFR 1.143, Applicant provisionally elects, with traverse, to prosecute the invention of Group 1, namely claims 1-15.

Favorable consideration and an early passage to issue are requested.

Applicant's undersigned attorney may be reached in our Washington, D.C. office by telephone at (202) 530-1010. All correspondence should be directed to our address listed below.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Steven E. Warner", is written over a horizontal line.

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